

PROJECT DESCRIPTION (MOT PHASE 5)

I. GENERAL:

THIS PHASE OF THE PROJECT INVOLVES THE INSTALLATION OF PROPOSED MEDIAN, ISLANDS, AND CURB AND GUTTER ALONG ALL APPROACHES OF MD 175 (ROCKENBACH ROAD/ RIDGE ROAD).

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL ENTAIL THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS WITH ACCESSIBLE PUSHBUTTONS AND SIGNS FOR THE SOUTH LEG OF THE MD 175 AND MD 713 (ROCKENBACH ROAD/ RIDGE ROAD) INTERSECTION. HOWEVER, PEDESTRIAN PHASE SHALL NOT BE PROVIDED UNTIL THE FULL SIGNAL BUILD-OUT. INSTALLATION OF NON-INVASIVE PROBES FOR THE MAINLINE APPROACHES OF MD 175 SHALL BE PROVIDED. EXISTING TRAFFIC SIGNAL HEADS WILL BE REPOSITIONED TO THEIR FINAL LOCATION.

MD 175 (ANNAPOLIS ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE EXISTING INTERSECTION OPERATES IN A NEMA SIX-PHASE FULLY-ACTUATED MODE. SIGNALS FOR EASTBOUND AND WESTBOUND MOVEMENTS SHALL OPERATE CONCURRENTLY, WITH EXCLUSIVE LEFT-TURNS FOR EASTBOUND AND WESTBOUND APPROACHES. MD 713 (ROCKENBACH ROAD/RIDGE ROAD) SHALL OPERATE IN A SPLIT-PHASED MODE WITH A RIGHT-TURN OVERLAP PHASE FOR WESTBOUND RIGHT-TURNS TO NORTHBOUND MD 713 (RIDGE ROAD).

PROJECT CONTACTS:

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MR. EDWARD RODENHIZER, CHIEF - SIGNAL SHOP
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MS. JACQUELINE SCHULTZ-BGE
PHONE: 410-470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	70 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:
6 EA		R3-5L "LEFT ONLY" (30"x36") MAST ARM-MOUNTED
1 EA		R3-5R "RIGHT ONLY" (30"x36") MAST ARM-MOUNTED
2 EA		R10-3(1) "PUSH BUTTON TO CROSS ROCKENBACH ROAD" (9"x15") POLE-MOUNTED
1 EA		D-3(1) "LEFT ARROW, Ridge RD/ Ridge RD, RIGHT ARROW" (VAR. x 16") MAST ARM-MOUNTED (DUAL-FACED)
1 EA		D-3(1) "LEFT ARROW, Rockenbach Road/ Rockenbach Road, RIGHT ARROW" (VAR. x 16") MAST ARM MOUNTED (DUAL-FACED)
2 EA		D-3 "Annapolis Road" (VAR. x 16") MAST ARM-MOUNTED

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

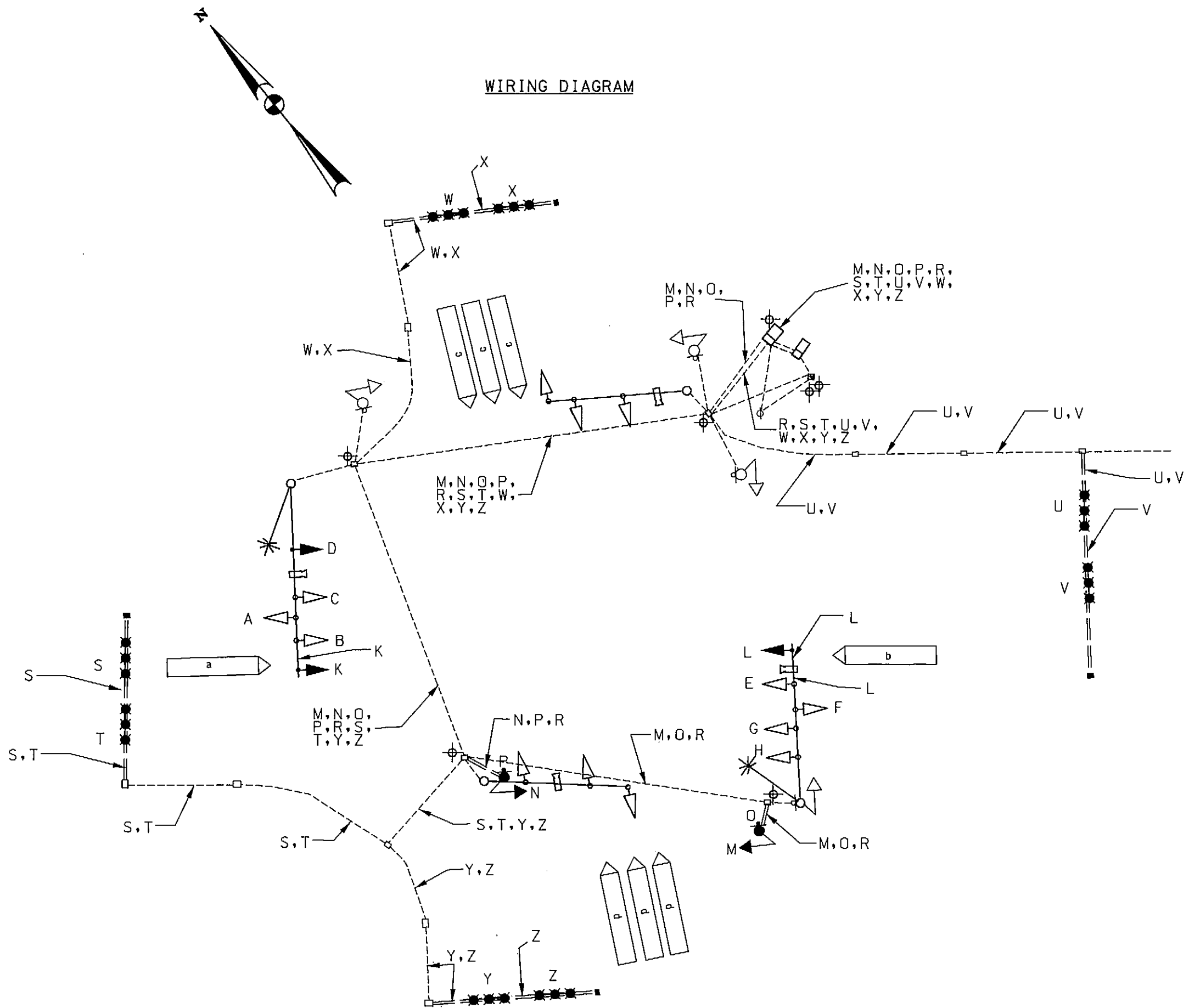
CATEGORY CODE	QUANTITY	DESCRIPTION
800000	2 EA	AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTOON AND SIGN
800000	2 EA	16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
801004	0.4 CY	CONCRETE FOR SIGNAL FOUNDATION
805125	30 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805135	40 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805150	190 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
810601	8 EA	NON-INVASIVE PROBES WITH 500' LEAD TO CONTROLLER
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	70 SF	INSTALL OVERHEAD SIGN
818004	2 EA	10' BREAKWAY PEDESTAL POLE
860265	6 EA	RELOCATE EXISTING SIGNAL HEAD
860284	11 EA	12" LED SIGNAL HEAD SECTION
861105	800 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	900 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	220 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINETS. THE CABINETS AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Phase 1 & 5	<G-	<G-	<G-	R	R	<G-	<G-	<G-	R	R	R	R	R	R	R	R
1 & 5 Change	<Y-	<Y-	<Y-	R	R	<Y-	<Y-	<Y-	R	R	R	R	R	R	R	R
Phase 2 & 6	<R-	<R-	<R-	G	G	<R-	<R-	<R-	G	G	R	R	R	R	R	R
2 & 6 Change	<R-	<R-	<R-	Y	Y	<R-	<R-	<R-	Y	Y	R	R	R	R	R	R
Phase 3	<R-	<R-	<R-	R	R	<R-	<R-	<R-	R	R	<G/G	<G/G	G	R	R	R
3 Change	<R-	<R-	<R-	R	R	<R-	<R-	<R-	R	R	Y	Y	Y	Y	R	R
Phase 4	<R-	<R-	<R-	R	R	<R-	<R-	<R-	R	R/Y	R	R	R	<G/G	<G/G	G
4 Change	<R-	<R-	<R-	R	R	<R-	<R-	<R-	R	R/Y	R	R	R	Y	Y	Y
Flashing Operation	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R



WIRING KEY

A,B,C, E,F,G,H	-	REPOSITIONED SIGNAL HEADS
D	-	SIGNAL HEAD TO BE SWITCH FROM A 3-HEAD SIGNAL TO A 5-HEAD SIGNAL
K,L	-	5 CONDUCTOR NO. 14 AWG ELEC. CABLE (JUMPER)
M,N	-	5 CONDUCTOR NO. 14 AWG ELEC. CABLE
O,P	-	2 CONDUCTOR NO. 14 AWG ELEC. CABLE
R	-	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
S,T,U,V, W,X,Y,Z	-	NON-INVASIVE PROBE LEAD-IN
+	-	GROUND ROD (3/4" DIA. x 10' LENGTH)

PHASE 5



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 (ANNAPOLIS ROAD) AT
MD 713 (ROCKENBACH RD /RIDGE RD)
HANOVER, MD

MOT PHASE 5 - GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580-532

DESIGNED BY ENB COUNTY ANNE ARUNDEL

DRAWN BY ENB LOGMILE 02017507.31

CHECKED BY MB/NR TMS NO. J-968

F.A.P. NO. AC/PLHD-STP-TIP-3817(1)1E TOD NO.

TS NO. 1296D5-GI DRAWING SG-24.5 OF 26 SHEET NO. 144 OF 195

CENTURY
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CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'D' 23299.36